2nd & final Bill

No

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

Date:

Division: Electrical (DASARAHALLY) Head of Account: **P-**
Sub- Division:
Bill Received No.....Dated.....Cash Book Voucher No.....dated.....
Scheduled Docket Name of Work (as per sanctioned estimate) Providing Electrification and Fixtures to Bangalore one office and tax office multipurpose building in ward no 13 in shettyhalli sub division.**Contractor and Full Address:M/s** Benaka Developers & Projects Private Ltd.
Work Order No: : EE/(Elec)/DZ/WO/0000029/2018-19 Dated :20-09-2018
Reference to Agreement 14 Date 7-09-2018 Job No:- 013 -17-000022

Certified that the measurements were taken by me on 17/9/2019 and recorded of pages 5.128.01 to 5.128.10 of Measurement Book No 5.129 and that the work is satisfactorily executed.

Contractor

For Benaka Developers And Projects Pvt. Ltd

Officer in charge of work
JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Certified that the measurements were taken by me on 17/09/2019 and found correct. The work is satisfactorily executed.

NARAHARI D
Managing Director

Certified that the quantities of materials shown in columns 3 of Account II have been actually brought to Site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in the connection with item for finished work have been agreed upon. And normal agreement signed and executed by the contractor is recorded in the office.

Sub-division Engineer
ASSISTANT EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

II Memorandum of Payment

106)	Total value of work done or supplies as per account within	Bill 384499 =
107)	Deduct amount to be held in reserve being .....percent Rs.....	
108)	" Balance	
109)	Deduct payment :	
qq)	Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No.....	I.T 7690 =
	Amount adjusted towards cash advance recovery of	CGST 3433 =
rr)	Payments cost store or other material supplied.	SGST 3433 =
	Now made recovery amount creditable to this/ other work	LWC 3845 =
	Amount paid on this bill cheque/cash	CBC 385
110)	Balance being unpaid value of work done held in reserve	T.D 18786 =
6)	Deduct cash advance made on the Office Cash Book Voucher No..... dated.....less adjustments	
7)	Net amount due to or from contractor	Net 365713
	Unadjusted items	
8)	Advance to contractor for materials brought to site (as detailed) within Value of Government materials supplied	

For Benaka Developers And Projects Pvt. Ltd
Contractor's Signature

Received Rs.....(in words)
.....
by cash and adjustment of payment as per memorandum.
Witnesses :
1.
2.
Dated .....Signature of contractor
Paid by me by cheque No.....Dated
Cash Rs.....Dated.....

For Benaka Developers And Projects Pvt. Ltd
NARAHARI D
Managing Director

Initials of Officer making payment

Audited and admitted Rs. 384499/-

(For use in the office)

Passed by Cheque for Rs. 365713/-

(Three Lakh sixty five Thousand Seven Hundred Thirteen only)

by adjustment Rs.

Executive Engineer (Ele)

Accounts Superintendent Exe. Engineer (Ele)

B.B.M.P. Dasarahalli Division

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Sl. No	Description of Item	
	Name Of Work:- Providing Electrification and Fixtures to Bangalore one office and tax office multipurpose building in ward no 13 in shettyhalli sub division.	
1	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25mm dia 2mm thick	Mtrs
2	Supplying heavy gauge PVC Conduit Pipe ....dia .....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.25mm dia 2mm thick	Mtrs
3	Supplying And Fixing Metal Fan Box with Round Hook.	No
4	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C.wall 1-3Way	Nos
5	4-5 Way	Nos
6	6 Way	Nos
7	8 Way	Nos
8	10-12 Way	Nos
9	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 1 to 3 Module	Nos
10	4 Module	Nos
11	6 Module	Nos
12	8 Module	Nos
13	12 Module	Nos
14	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP B 6Amps one way switch.	Nos
15	6Amps 3way socket.	Nos
16	Stepped Fan Regulator.	Nos
17	16Amps one way switch	Nos
18	6/16Amps universal socket	Nos
19	Supplying and fixing PBBC/Bakelite straight or slant batten holder and wiring with 60w/230 volts lamps.	Nos
20	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -B.1.5 sqmm	Mtrs
21	2.5 sqmm	Mtr.
22	4 sqmm	Mtr.
23	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size .....mm conduit using necessary machine screws.80mm	Nos
24	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet.GROUP BShort point upto 3Mtr from tapping point to out let via switch box	Points
25	Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box	Point
26	Long point above 6Mtr upto 10Mtr from tapping point to out let via switch box	Point

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Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate	Amount	Qty	Cost	
		222	57.00	12654.00	222	12654.00	
		71	58.00	4118.00	71	4118.00	
		12	92.00	1104.00	12	1104.00	
		11	91.00	1001.00	11	1001.00	
		2	98.00	196.00	2	196.00	
		8	121.00	968.00	8	968.00	
		5	140.00	700.00	5	700.00	
		5	159.00	795.00	5	795.00	
		11	109.00	1199.00	11	1199.00	
		2	122.00	244.00	2	244.00	
		8	173.00	1384.00	8	1384.00	
		5	200.00	1000.00	5	1000.00	
		5	267.00	1335.00	5	1335.00	
		63	63.00	3969.00	63	3969.00	
		10	95.00	950.00	10	950.00	
		9	286.00	2574.00	9	2574.00	
		3	114.00	342.00	3	342.00	
		3	147.00	441.00	3	441.00	
		20	88.00	1760.00	20	1760.00	
		347	15.90	5517.30	347	5517.30	
		248	24.90	6175.20	248	6175.20	
		150	36.30	5445.00	150	5445.00	
		15	9.00	135.00	15	135.00	
		8	130.00	1040.00	8	1040.00	
		20	190.00	3800.00	20	3800.00	
		25	291.00	7275.00	25	7275.00	

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27	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Double Door8Way SP &N	Nos
28	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32 Amps DP	Nos
29	LED Indoor Supplying of 2' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical condition LED light fighting 4' - 28 watts	
30	Supply of LED Square Recessed Down lighter with 18W System Wattage. Housing shall be with powder coated pressure die cast aluminum alloy with corrosion resistant polyester powder coat & with extended heat sink. Diffuser/cover made of Lexan plastic material. Rated life shall be L70 @ 50000 Hrs. which shall has inbuilt electrical protection like over/under voltage, short circuit, overload, open circuit & miswiring. Driver is on constant current driver output driver @ 0.06A with PF > 0.9 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens. 5 years Warranty against any manufacturing defect working under standard electrical condition.	No
31	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete.12" Sweep (300mm)	No
32	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 48" Sweep (1200mm) Regular model	Nos
33	Supplying wall mounting fan suitable to operate at single-phase 230v A.C. supply.400mm Sweep	Nos
34	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.On wall / ceiling / Rafter / Girders	Nos
35	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 amps. ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring.	Each
36	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm	Mtrs
37	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure. 6 sqmm to 16 sqmm	Mtrs
38	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm	Mtrs
39	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.16Sqmm	Nos
40	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.16SWG	Sqcms
41	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	Nos

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		1	1299.00	1299.00	1	1299.00	
		4	849.00	3396.00	4	3396.00	
	0.00	12	1774.00	21288.00	12	21288.00	
	0	8	4945.00	39560.00	8	39560.00	
	0.00	2	3654.00	7308.00	2	7308.00	
		9	2376.00	21384.00	9	21384.00	
		3	2534.00	7602.00	3	7602.00	
		20	98.00	1960.00	20	1960.00	
		14	139.00	1946.00	14	1946.00	
		30	140.40	4212.00	30	4212.00	
		30	31.00	930.00	30	930.00	
		5	345.00	1725.00	5	1725.00	
		1	280.00	280.00	1	280.00	
		9600	0.33	3168.00	9600	3168.00	
		0	2727.00	0.00	0	0.00	

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42	LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs. 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools.LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI 75+. housing with supplier word mark / name shall be engraved / Embossing on the die cast housing / body part. . Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacturer. Suitable for A1/A2 Roads as per IS 1944 Part I & Part II.90 Watts	Nos
43	Supplying and Fixing of.....mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires. Using 32mm dia G.I.pipe	Nos
44	BESCOM Charges Rs	
	Total Rs	

Certificate:-

1. Certified that the above work has

JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone

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		6	31250.00	187500.00	6	187500.00	
		6	893.00	5358.00	6	5358.00	
				16309-00		16309-00	9462
				375037.50		375037.50	
				Total 391346-00		391346-00	384499 = 00

been carried out satisfactorily

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